

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-74 and 78-80 are presently active; Claims 75-77 and 81 have been cancelled. No new matter has been added.

Status of Claims: Claim 1 stands provisionally rejected under the judicially created doctrine of obviousness-type double patenting over Claim 1 of U.S. Pat. Appl. No. 10/673,583 (the ‘583 application). Claim 1 stands provisionally rejected under the judicially created doctrine of obviousness-type double patenting over Claim 1 of U.S. Pat. Appl. No. 10/673,501 (the ‘501 application). Claim 1 stands provisionally rejected under the judicially created doctrine of obviousness-type double patenting over Claim 1 of U.S. Pat. Appl. No. 10/673,138 (the ‘138 application). Claims 1-81 stand rejected under 35 U.S.C. § 112, first paragraph, as being based on a non-enabling disclosure. Claims 1, 8, and 75 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sonderman et al (U.S. Pat. No. 6,802,045) in view of Jain et al (Mathematical-Physics Engines: Parallel Processing for Modeling and Simulation of Physical Phenomena, 1994, IEEE, pgs. 366-373) and further in view of Tran et al (U.S. Pat. No. 6,263,255). Claims 1-21, 29-30, 32-34, 37-58, 66-67, 69-71, and 74-81 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sonderman et al in view of Jain et al. Claims 22 and 59 stand rejected under 35 U.S.C. § 103(c) as being unpatentable over Sonderman et al in view of Jain et al and Yunemura et al (IEEE Article “Heat Analysis on Insulated Metal Substrates”). Claims 23-28 and 60-65 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sonderman et al in view of Jain et al and Chen (U.S. Pat. No. 5,719,796). Claims 31, 36, 68, and 73 stand rejected under 35 U.S.C. § 103(c) as being unpatentable over Sonderman et al in view of Jain et al and Nikoonahad

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(U.S. Pat. No. 6,812,045). Claims 35 and 72 stand rejected under 35 U.S.C. § 103(c) as being unpatentable over Sonderman et al in view of Fatke (U.S. Pat. Appl. No. 10/472,436).

Entry of Amendment: The present amendment is submitted in submitted in accordance with 37 C.F.R. §1.116 which after final rejection permits entering of amendments canceling claims, complying with any requirement of form expressly set forth in a previous Office Action, presenting rejected claims in better form for consideration on appeal, or presenting amendments touching on the merits upon a showing of good and sufficient reasons why the amendment is necessary and was not presented earlier. The present amendment cancels Claims 75-77 and 81 to simplify the appeal. It is therefore respectfully requested that the present amendment be entered under 37 C.F.R. §1.116

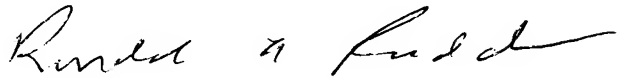
A Notice of Appeal is filed herewith. A terminal disclaimer is filed herewith eliminating the non-statutory double patenting rejection.

Conclusion:

In view of the present amendment and in light of the above discussions, the application as amended herewith is believed to be in condition for appeal. An appeal brief will follow.

Respectfully submitted,

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